

FIG. 1

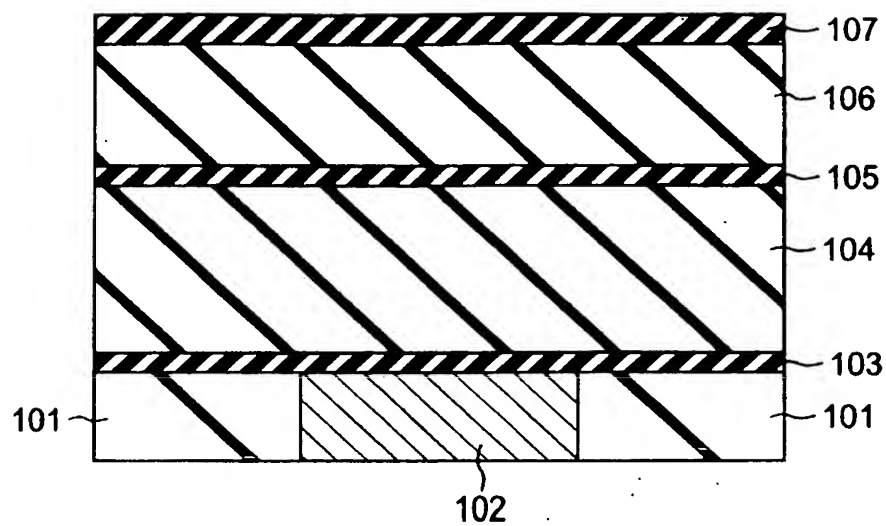


FIG. 2

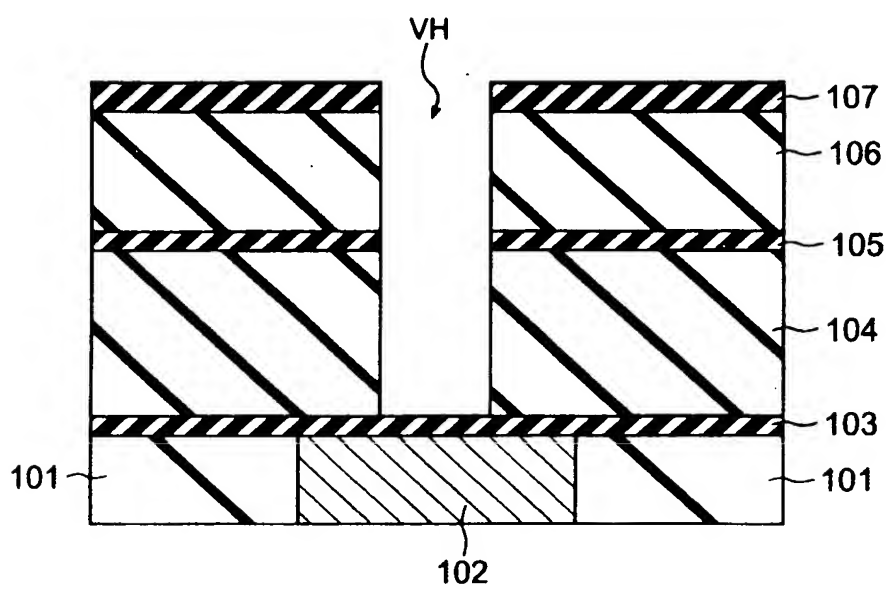


FIG. 3

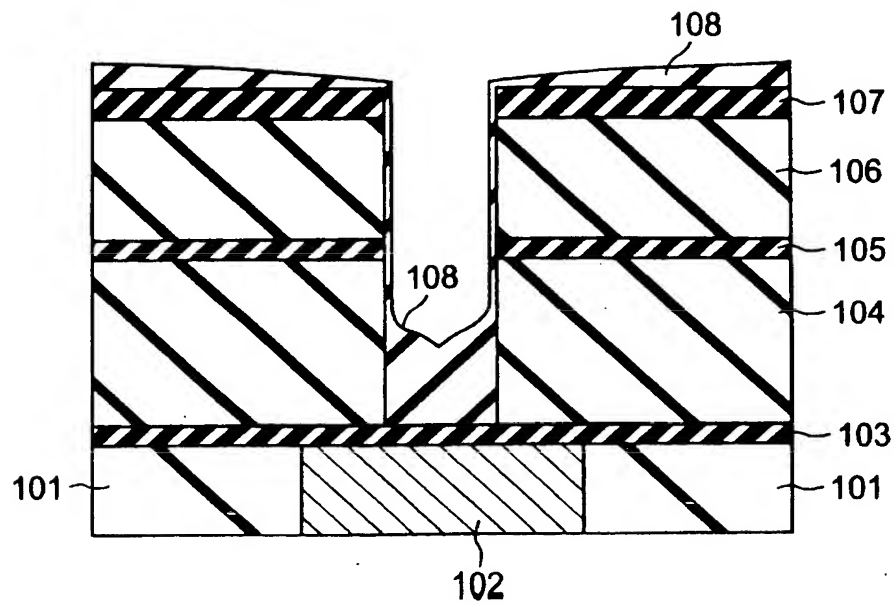


FIG. 4

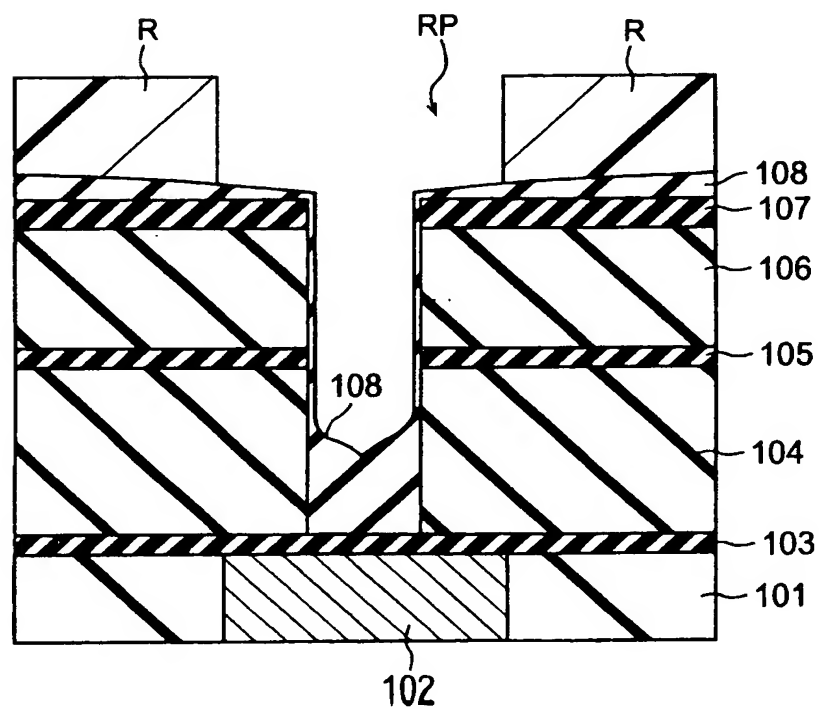


FIG. 5

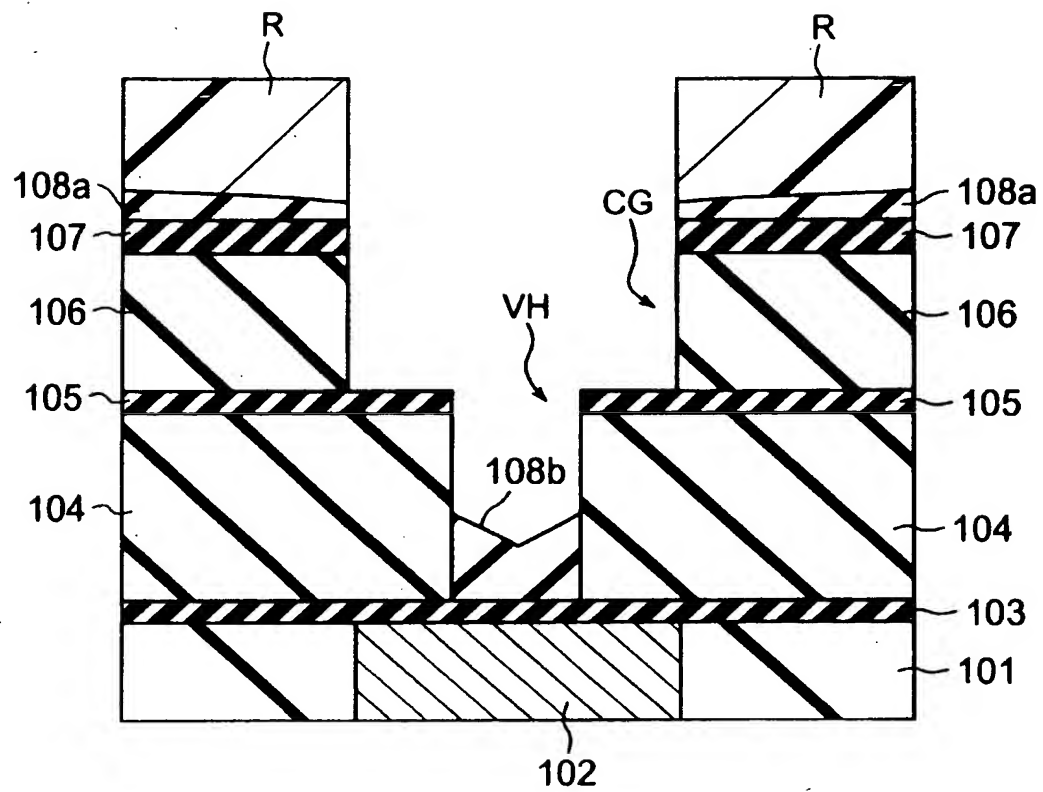


FIG. 6

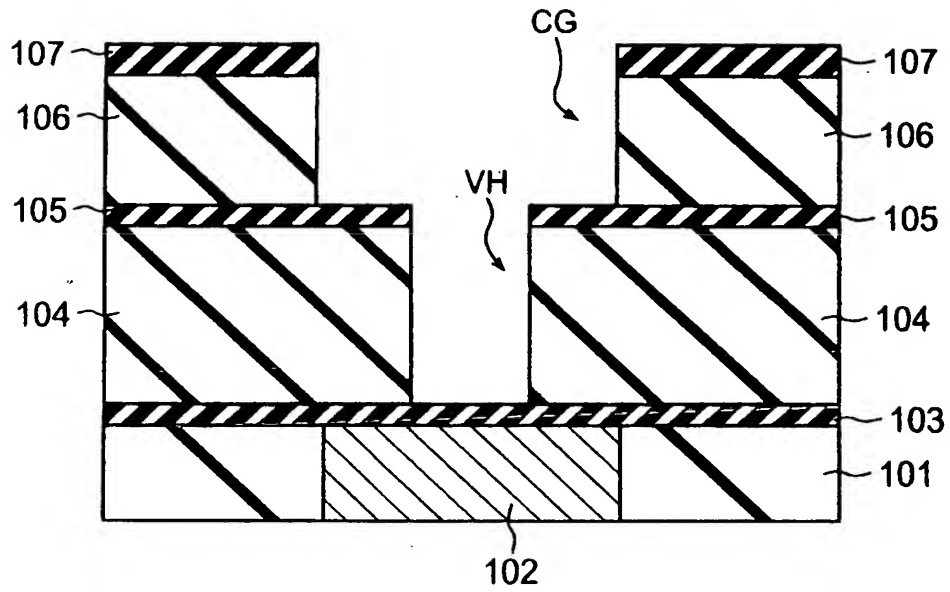


FIG. 7

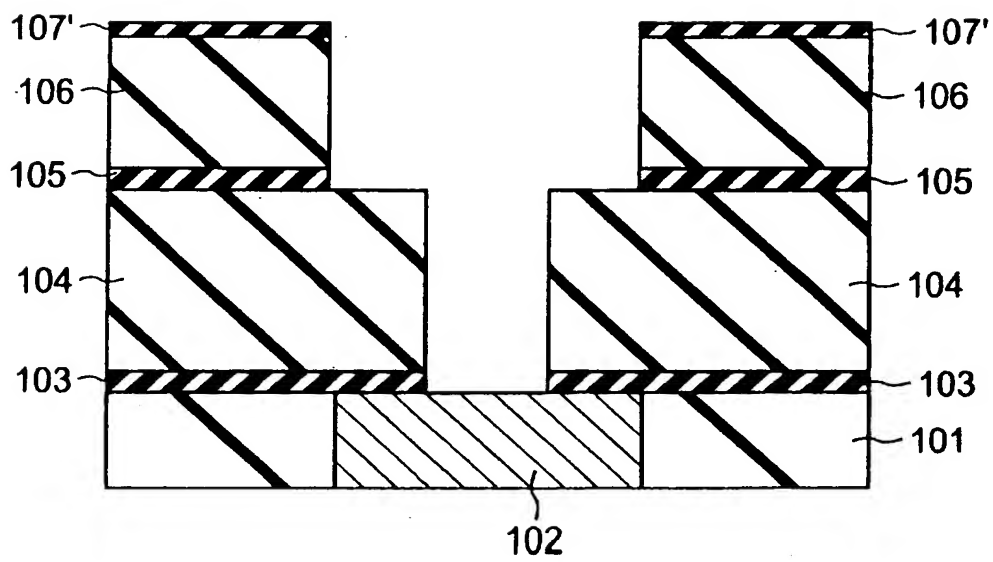


FIG. 8

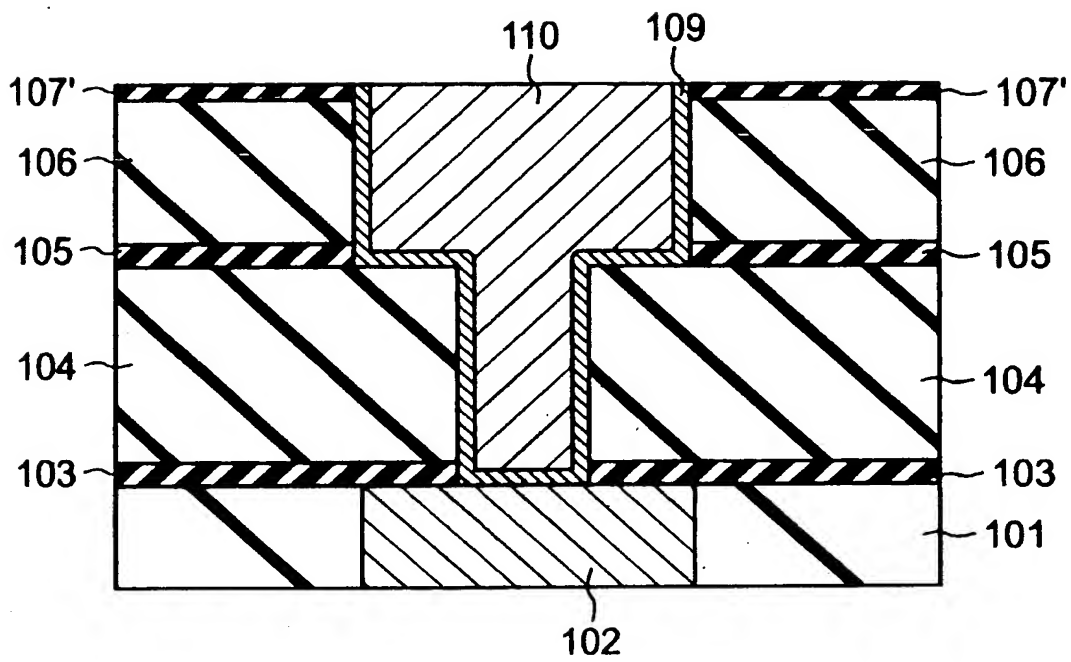


FIG. 9

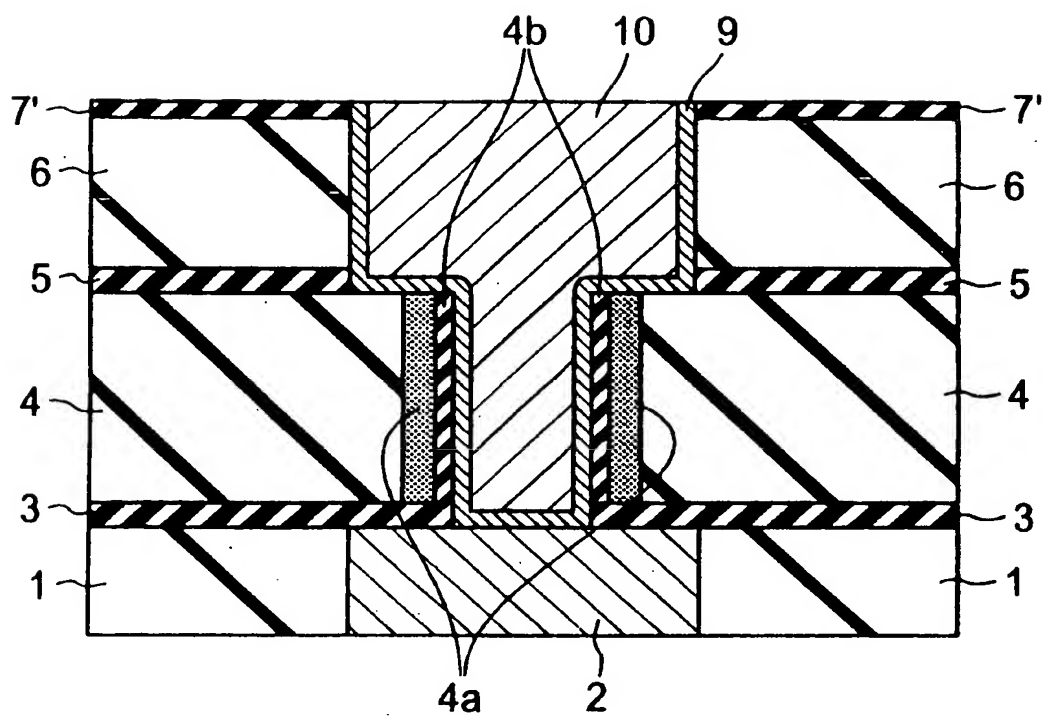


FIG. 10

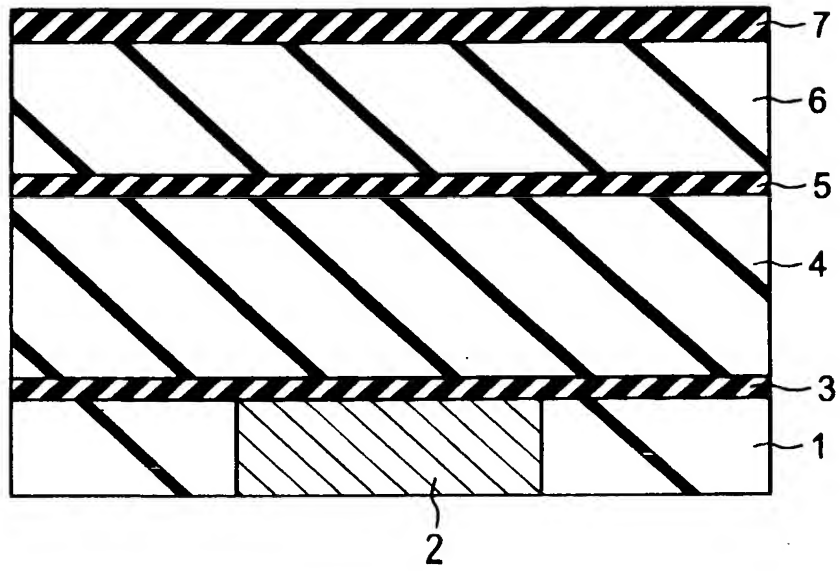


FIG. 11

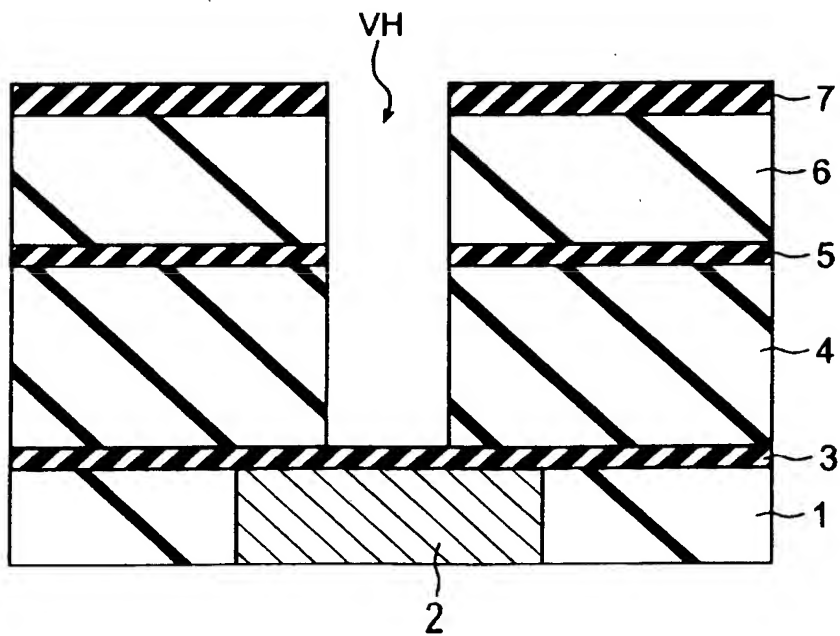


FIG. 12

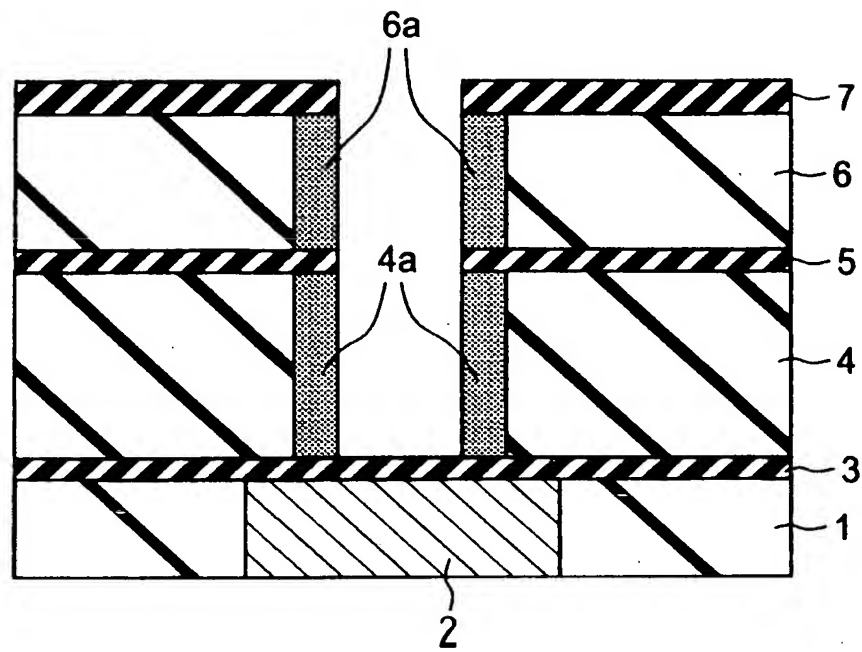


FIG. 13

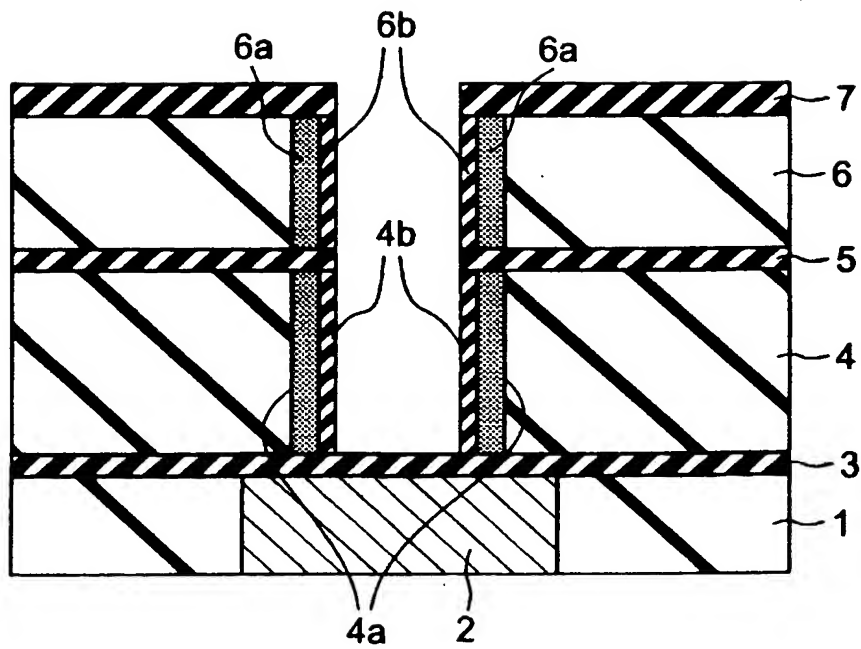


FIG. 14

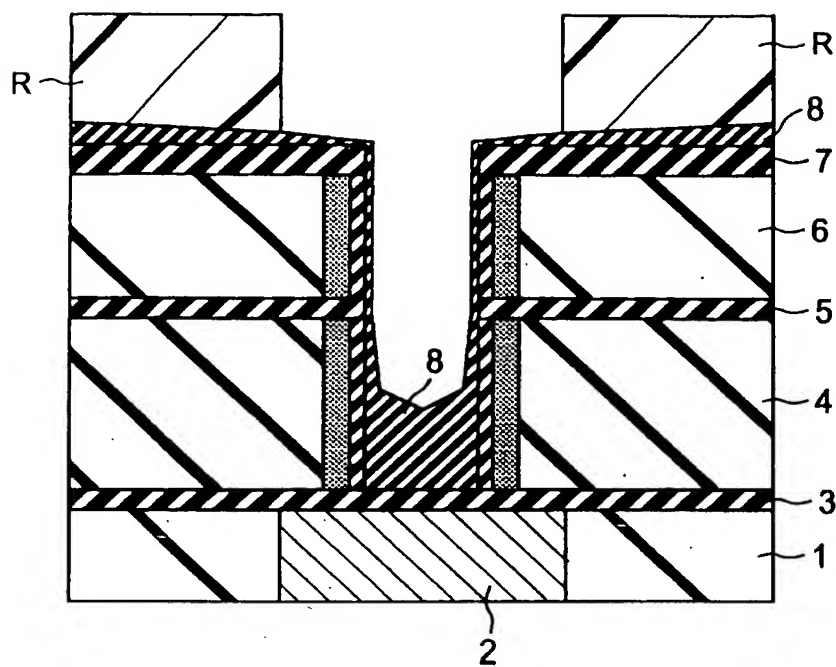


FIG. 15

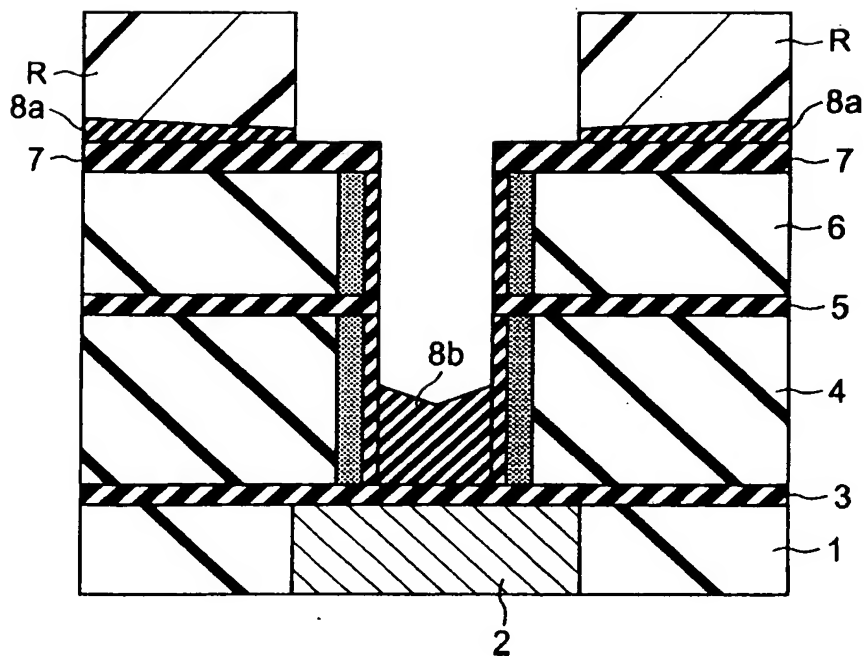


FIG. 16

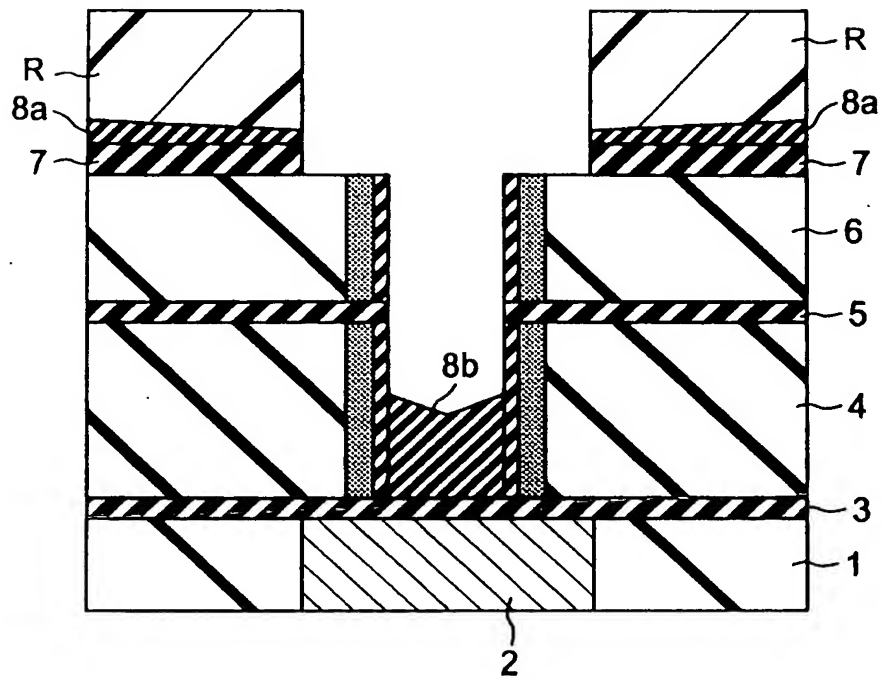


FIG. 17

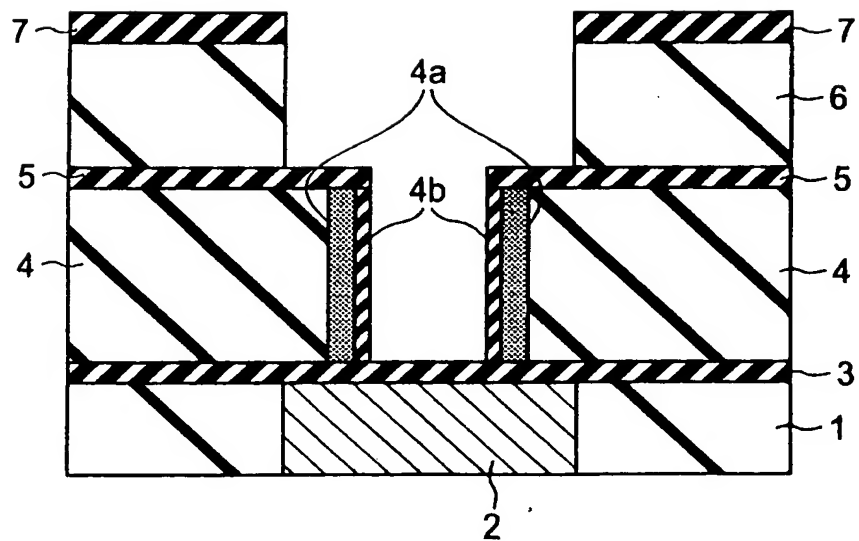


FIG. 18

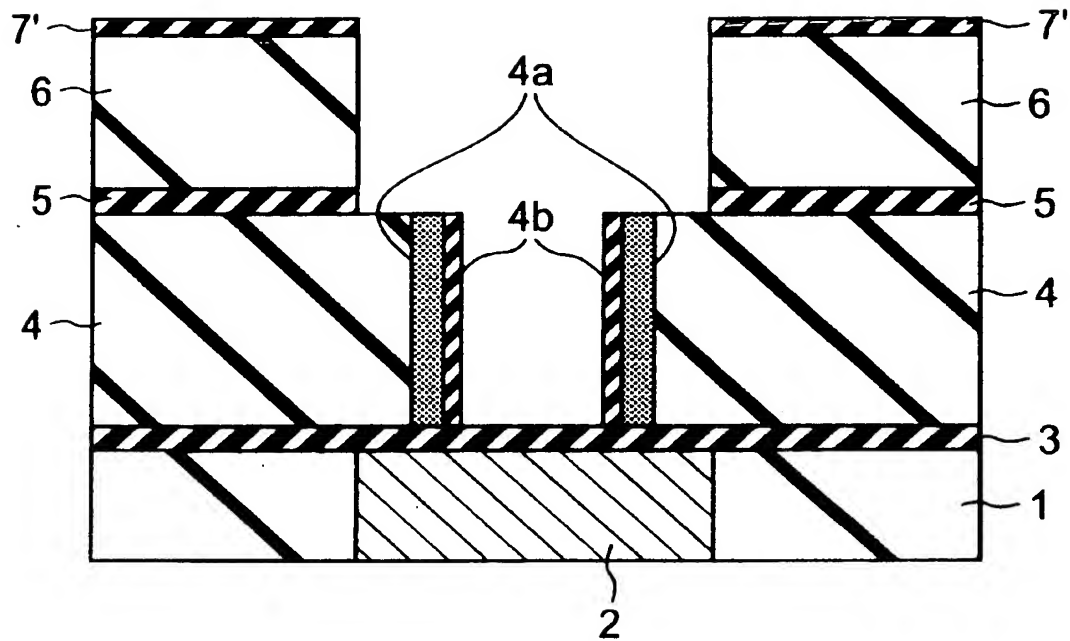


FIG. 19

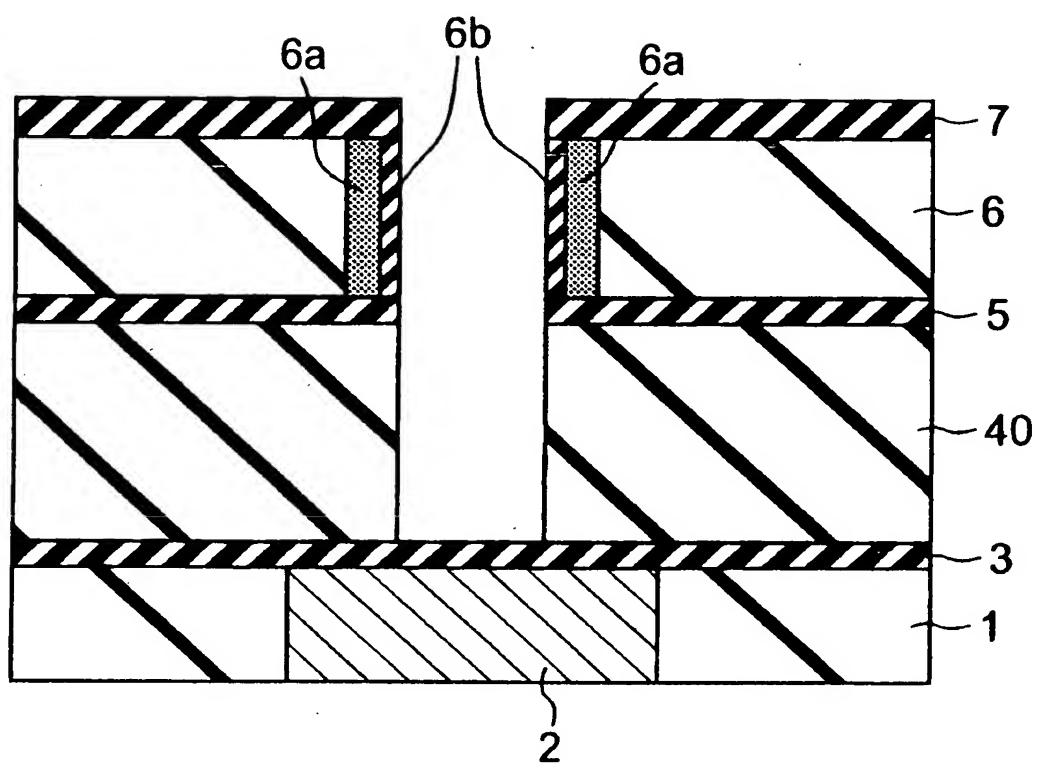


FIG. 20

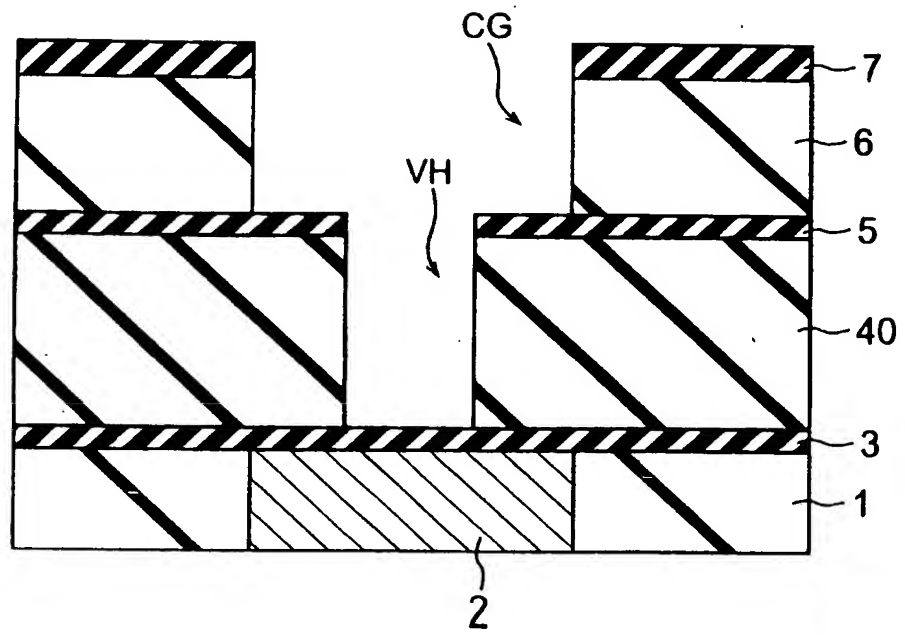
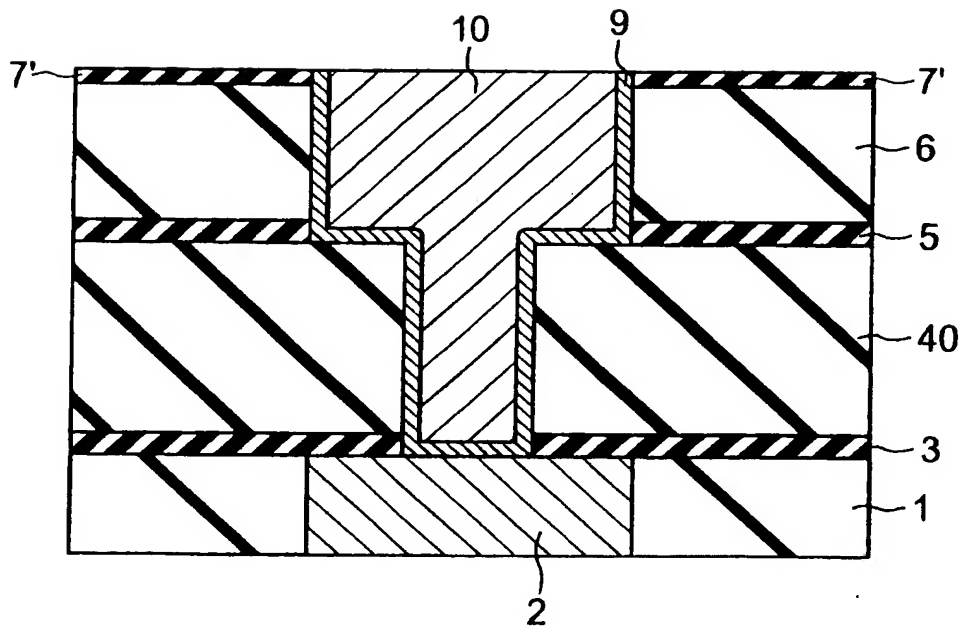


FIG. 21



Explanation of References

- 1... FIRST INTERLAYER INSULATION FILM
- 2... LOWER LEVEL WIRING LAYER
- 5 3, 5... ETCHING STOPPER FILM
- 4... SECOND INTERLAYER INSULATION FILM
- 4a... SILYLATED LAYER, SILYLATED DIFFUSION LAYER OR MIXED
LAYER
- 4b... SILICON OXIDE LAYER (PROTECTIVE LAYER)
- 10 6... THIRD INTERLAYER INSULATION FILM
- 6a... SILYLATED LAYER, SILYLATED DIFFUSION LAYER OR MIXED
LAYER
- 6b... SILICON OXIDE LAYER (PROTECTIVE LAYER)
- 7, 7'... HARD MASK FILM
- 15 8, 8a, 8b... ORGANIC BASED ANTI-REFLECTION FILM (ORGANIC
FILM)
- 9... BARRIER METAL LAYER
- 10... COPPER
- 40... SECOND INTERLAYER INSULATION FILM
- 20 R... RESIST
- VH... VIA HOLE